DO NOT ENTER: /W.Z./ 12/19/2008

U.S. Patent Application Serial No. 10/535,422

Response filed December 11, 2008

Reply to OA dated September 15, 2008

AMENDMENTS TO THE CLAIMS:

Please cancel claims 9, 10, 17 and 19 without prejudice or disclaimer, amend claims 1-8, 11-

16 and 18, and add new claim 20, as follows. This listing of claims will replace all prior versions.

and listings, of claims in the application:

Listing of Claims:

Claim 1 (Currently amended): A method for producing a medical device stent expandable

in outside diameter for living soft tissue having:

a melting step of producing a ferritic stainless steel tube substantially free of Ni by melting

method,

a working step of working said ferritic stainless steel to the shape of a medical device for

living soft tissue to obtain a medical device body tube to have a repeating shape on the peripheral

surface in expanded form to obtain the stent, and

a nitrogen absorption step of bringing said medical device body into contact with a gas

containing nitrogen at a predetermined treatment temperature or more to make said ferritic stainless

steel forming said medical device body absorb nitrogen to transform at least part of said ferritic

stainless steel tube to austenite.

Claim 2 (Currently amended): The method of production of a medical device for living soft

tissue stent as set forth in claim 1, wherein said ferritic stainless steel has as main ingredients Fe in

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an amount of 50 to 90 wt%, Cr and/or Mn in amounts of 10 to 30 wt%, and Mo and/or Ti in amounts  $\,$ 

of 0 to 10 wt%.

Claim 3 (Currently amended): The method of production of a medical device for living soft

tissue a stent as set forth in claim 1, wherein said ferritic stainless steel has as main ingredients Fe

in an amount of 65 to 80 wt%, Cr and/or Mn in amounts of 15 to 25 wt%, and Mo and/or Ti in

amounts of 0 to 5 wt%.

Claim 4 (Currently amended): The method of production of a medical device for living soft

tissue stent as set forth in claim 1, wherein said treatment temperature is in a temperature range of

800 to 1500°C.

Claim 5 (Currently amended): The method of production of a medical device for living soft

tissue stent as set forth in claim 1, wherein said treatment temperature is in the temperature range

of 1100 to 1300°C.

Claim 6 (Currently amended): The method of production of a medical device for living soft

tissue stent as set forth in claim 1, wherein said ferritic stainless steel is made to contain nitrogen in

an amount of at least 0.5 wt%.

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Claim 7 (Currently amended): The method of production of a medical device for living soft

tissue stent as set forth in claim 1, wherein said ferritic stainless steel is made to contain nitrogen in

an amount of at least 0.8 wt%.

Claim 8 (Currently amended): The method of production of a medical device for living soft

tissue stent as set forth in claim 1, wherein at least part of said ferritic stainless steel is transformed

to austenite to form a two-phase structure of ferrite and austenite.

Claims 9-10 (Canceled).

Claim 11 (Currently amended): The method of production of a medical device for living soft

tissue stent as set forth in claim 2, wherein said treatment temperature is in a temperature range of

800 to 1500°C.

Claim 12 (Currently amended): The method of production of a medical device for living soft

tissue stent as set forth in claim 2, wherein said treatment temperature is in the temperature range

of 1100 to 1300°C

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Claim 13 (Currently amended): The method of production of a medical device for living soft

tissue stent as set forth in claim 2, wherein said ferritic stainless steel is made to contain nitrogen in

an amount of at least 0.5 wt%.

Claim 14 (Currently amended): The method of production of a medical device for living soft

tissue stent as set forth in claim 2, wherein said ferritic stainless steel is made to contain nitrogen in

an amount of at least 0.8 wt%.

Claim 15 (Currently amended): The method of production of a medical device for living soft

tissue stent as set forth in claim 2, wherein at least part of said ferritic stainless steel is transformed

to austenite to form a two-phase structure of ferrite and austenite.

Claim 16 (Currently amended): The method of production of a medical device for living soft

tissue stent as set forth in claim 2, wherein all of said ferritic stainless steel is transformed to

austenite.

Claim 17 (Canceled).

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Claim 18 (Currently amended): The method of production of a medical device for living soft

tissue stent as set forth in claim 1, wherein the working step comprises forming a metal tube of

thickness 50 to 400  $\mu$ m.

Claim 19 (Canceled).

Claim 20 (New): The method of production of a stent as set forth in claim 1, wherein said

ferritic stainless steel tube is coated on its surface with a photosensitive cross-linkable resist and after

a master pattern is transferred to said resist followed by dissolving away uncross-linked parts,

unnecessary metal parts are removed by etching to obtain the stent having the repeating shape in

expanded condition.

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